

METHOD AND SYSTEM FOR CONTROLLING GAS TURBINE BY
ADJUSTING TARGET EXHAUST TEMPERATURE

ABSTRACT OF THE DISCLOSURE

A method for determining a target exhaust temperature for a gas turbine including: determining a target exhaust temperature based on a compressor pressure condition; determining a temperature adjustment to the target exhaust temperature based on at least one parameter of a group of parameters consisting of specific humidity, compressor inlet pressure loss and turbine exhaust back pressure; and adjusting the target exhaust temperature by applying the temperature adjustment.